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AMENDMENT

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim Listing

- 1. (currently amended) A payload monitoring system for a vehicle having a chassis, comprising:
 - a first adjustable spring device;
- a first pressure transducer that generates a first pressure signal based on a pressure of said first adjustable spring device;
- a first sensor configured to generate a first position signal responsive to a relative height of the chassis with respect to a reference surface;
- a first compressor configured to adjust said first adjustable spring device in response to an activation signal;
 - a display; and
- a controller communicatively coupled to said first sensor, said first compressor, and said display, wherein said controller is configured to: determine a payload of said vehicle based on said first pressure signal and said first position signal; provide said activation signal to said first compressor based on said payload and said first position signal in order to substantially level said chassis; present said payload to an operator via said display; and present an overload warning to said operator via said display in the event that said payload is greater than a predetermined threshold.
- (previously amended) The payload monitoring system of claim 1 wherein said first adjustable spring device is adjusted pneumatically.
 - 3. (cancelled).
- 4. (previously amended) The payload monitoring system of claim 1 wherein said first adjustable spring device is adjusted hydraulically.
 - 5. (cancelled).

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- 6. (previously amended) The payload monitoring system of claim 1 further comprising: a second adjustable spring device; and
- a second pressure transducer that generates a second pressure signal based on a pressure of said second adjustable spring device, wherein said controller determines a payload of said vehicle based on said first and second pressure signals.
- 7. (previously amended) The payload monitoring system of claim 6 wherein said first and second adjustable spring devices are adjusted pneumatically.
 - 8. (currently amended) The payload monitoring system of claim 7 further comprising: a second sensor generating a second position signal; and
- a compressor that adjusts said first and second adjustable spring devices based on said second position signal.
- 9. (previously amended) The payload monitoring system of claim 6 wherein said first and second adjustable spring devices are adjusted hydraulically.
 - 10. (currently amended) The payload monitoring system of claim 9 further comprising: a second sensor generating a second position signal; and
- a hydraulic pump that adjusts said first and second adjustable spring devices based on said second position signal.
 - 11. (cancelled).
 - 12. (cancelled).

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A method of monitoring a payload of a vehicle, 13. (previously amended) comprising:

detecting a payload change within said vehicle, wherein said step of detecting includes detecting a change in vehicle position;

adjusting a spring device to compensate for said payload change, wherein said step of adjusting is based in part on said change in vehicle position;

generating a pressure signal based on a pressure of said spring device; and calculating a payload value based on said pressure signal and said change in vehicle position;

> informing an operator of said payload value comparing said payload value to a threshold value; and warning an operator if said payload value is greater than said threshold value.

- 14. (cancelled).
- 15. (cancelled).
- 16. (original) The method of claim 13 wherein said step of detecting a payload change includes detecting a change in vehicle position.
 - 17. (original) The method of claim 13 further comprising: initiating a delay period if a payload change is detected; and confirming said payload change upon expiration of said delay period.
- 18. (original) The method of claim 13 wherein said step of adjusting a spring device includes adjusting hydraulic pressure supplied to said spring device.
- 19. (original) The method of claim 13 wherein said step of adjusting a spring device includes adjusting pneumatic pressure supplied to said spring device.

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- 20. The method of claim 13 wherein a pressure sensor generates said pressure signal. 21. (cancelled). 22. (original) The method of claim 13 further comprising: generating a position signal of said vehicle; and refining said payload value based on said position signal. 23. (cancelled). 24. (cancelled). 25. (cancelled). 26. (cancelled).
- 28. (cancelled).

27. (cancelled).

- 29. (cancelled).
- 30. (cancelled).